

## TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat 41°51'31", long 113°19'35", in NW<sup>1/4</sup>NW<sup>1/4</sup>NW<sup>1/4</sup> sec. 15, T. 13 N., R. 13 W., Box Elder County, Hydrologic Unit 16020308, on right bank 150 ft upstream from diversion structure, 200 ft downstream from confluence of left hand and right hand forks, and 2.9 mi north of Park Valley.

DRAINAGE AREA.--8.72 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1971 to September 1973, October 1976 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,250 ft above sea level, from topographic map. Prior to Aug. 26, 1982 at site 110 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion for flood-flows, located approximately 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 150 ft<sup>3</sup>/s May 28, 1983; minimum discharge, 0.14 ft<sup>3</sup>/s Mar. 17, 1981.EXTREMES FOR CURRENT YEAR.--Maximum discharge, 71 ft<sup>3</sup>/s May 19, gage height, 2.61 ft; minimum daily discharge, 0.82 ft<sup>3</sup>/s Nov. 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	2.7	e1.4	e1.8	e1.5	e1.4	5.5	12	44	4.3	4.8	2.3
2	1.6	2.7	e1.5	e1.9	e1.5	e1.3	5.4	11	40	4.2	4.5	2.8
3	1.6	2.7	e1.3	e1.7	e1.4	e1.4	5.7	11	33	4.1	4.5	3.1
4	1.6	2.7	e1.2	e1.5	e1.4	e1.4	5.6	12	38	4.9	5.3	2.6
5	1.7	2.6	e1.2	e1.4	e1.4	e1.3	5.1	13	39	9.0	4.9	2.5
6	1.7	2.7	e1.5	e1.3	e1.2	e1.3	5.0	17	33	10	4.5	2.4
7	1.9	2.5	e1.4	e1.3	e1.1	e1.3	4.8	19	32	9.6	4.5	2.3
8	2.0	2.5	e1.5	e1.4	e1.1	e1.2	4.6	21	33	9.3	4.3	2.3
9	2.0	2.6	e1.6	e1.5	e1.1	e1.2	4.2	25	31	9.1	4.2	2.2
10	2.0	2.7	e1.7	e1.5	e1.1	e1.2	3.8	27	30	9.3	4.1	2.3
11	2.1	2.7	e1.6	e1.5	e1.2	e1.2	3.4	29	28	9.3	4.3	2.2
12	2.1	2.7	e1.6	e1.3	e1.3	e1.1	3.2	34	30	11	4.3	2.2
13	2.1	2.7	e1.6	e1.1	e1.3	1.1	3.3	42	32	8.8	3.9	2.2
14	2.3	2.7	e1.5	e1.2	e1.4	.98	3.4	46	25	8.2	3.7	2.2
15	2.4	2.8	e1.3	e1.2	e1.5	.98	4.0	53	16	7.7	3.5	2.0
16	2.3	4.3	e1.4	e1.2	e1.4	1.3	4.7	58	16	7.5	3.3	2.0
17	2.2	3.6	e1.1	e1.2	e1.4	2.6	5.3	53	17	7.4	3.3	2.0
18	2.4	3.6	e1.1	e1.2	e1.5	3.1	5.9	56	18	7.2	3.2	2.1
19	2.4	1.9	e1.1	e1.3	e1.5	4.2	6.9	67	16	7.1	3.1	2.1
20	2.3	1.5	e1.3	e1.3	e1.4	5.4	9.5	65	14	6.9	2.8	3.0
21	2.2	.99	e1.4	e1.4	e1.4	6.2	11	61	9.8	6.8	2.8	3.8
22	2.1	2.2	e1.5	e1.5	e1.3	6.7	11	61	9.4	6.6	2.8	2.6
23	2.2	1.2	e1.5	e1.4	e1.4	7.8	11	60	8.1	6.9	2.7	2.3
24	2.6	.86	e1.4	e1.2	e1.4	7.6	11	60	5.9	6.6	2.8	2.2
25	2.6	.82	e1.5	e1.1	e1.3	6.6	10	51	5.2	6.4	2.6	2.1
26	3.0	e1.5	e1.5	e1.2	e1.3	7.2	11	44	5.6	6.0	2.5	2.2
27	3.4	e1.4	e1.6	e1.5	e1.4	7.1	11	35	6.6	6.0	2.4	2.1
28	3.1	e1.4	e1.6	e1.3	e1.4	6.3	12	30	6.7	5.9	2.4	2.1
29	3.2	e1.5	e1.7	e1.4	--	6.0	12	32	6.4	5.8	2.4	2.1
30	3.1	e1.3	e1.7	e1.4	--	6.4	12	34	5.7	5.5	2.3	2.0
31	2.8	--	e1.8	e1.4	--	6.2	--	42	--	4.9	2.3	--
TOTAL	70.6	68.07	45.1	42.6	37.6	109.06	211.3	1181	634.4	222.3	109.0	70.3
MEAN	2.28	2.27	1.45	1.37	1.34	3.52	7.04	38.1	21.1	7.17	3.52	2.34
MAX	3.4	4.3	1.8	1.9	1.5	7.8	12	67	44	11	5.3	3.8
MIN	1.6	.82	1.1	1.1	1.1	.98	3.2	11	5.2	4.1	2.3	2.0
AC-FT	140	135	89	84	75	216	419	2340	1260	441	216	139

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1997, BY WATER YEAR (WY)

MEAN	1.86	1.57	1.32	1.25	1.37	2.50	5.51	18.7	19.4	7.01	3.39	2.16
MAX	3.64	2.45	2.09	2.04	2.82	6.33	16.4	38.1	57.3	17.9	8.45	4.58
(WY)	1985	1983	1983	1980	1986	1986	1986	1997	1983	1983	1984	1984
MIN	.77	.75	.64	.59	.62	.85	1.15	3.40	3.13	1.25	.76	.61
(WY)	1993	1995	1995	1995	1995	1977	1991	1977	1992	1994	1992	1994

## SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1972 - 1997

ANNUAL TOTAL	1826.77	2801.33										
ANNUAL MEAN	4.99	7.67										
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN	52	May 17	67	May 19								
LOWEST DAILY MEAN	.78	Feb 3	.82	Nov 25								
ANNUAL SEVEN-DAY MINIMUM	.88	Jan 31	1.1	Mar 9								
ANNUAL RUNOFF (AC-FT)	3620		5560						3990			
10 PERCENT EXCEEDS	13		25						13			
50 PERCENT EXCEEDS	2.5			2.7					2.0			
90 PERCENT EXCEEDS	1.1			1.3					.95			

e Estimated